

NUMBERS & ODDITIES
a.k.a. the Spooks Newsletter
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Hi all,

What has happened to the Czech numbers stations? M10, S10d and S17c have gone since 1 July. I haven't heard digital signals on the known frequencies on the scheduled times, so they didn't switch to another mode, I think. A switch to the satellite perhaps???

The weather has been weird during the past month. Very wet and I haven't seen so many thunderstorms in one month before. They caused a lot of noise on the radio and spoiled quite a few evenings of listening.

The UNID stations are in the "Utility Round-up" section, as usual. Info about these stations is most welcome!

★ VOICE STATIONS ★

::: E03

Mike copied the Lincolnshire Poacher on 11487 kHz on July 15th at 1533 UTC. An unusual frequency but LP was heard on this frequency before. On August 2nd, 1998 at 1309 UTC to be precise. Both times the signal was very weak.

Another oddity occurred on July 2nd at 1700 UTC. Alpha reports that the id read after 10x the LP tune was odd. The lady read 5x "64357" followed by a short break and then: 5x "63457" !!! This was not the case during the Sunday 1600 UTC transmission. Does this imply that they type in the ID's on a daily basis?"

Lincolnshire Poacher ID list, 1st half of July.
Compiled by Alpha Vax. THANKS, OM!!

90150	60427	68643	51310	50552	16596	83740	07618	84820	86016
40957	48257	84938	19933	03973	81084	61241	48379	79391	47980
60973	23874	85402	59318	37967	67474	42785	07591	27764	98372
21784	85950	23740	46114	58884	52590	53256	93624	69413	23562
72838	35657	06920	92191	08657	65703	61650	23432	96285	66936
56000	68510	88215	02484	22845	36462	43614	17419	75342	50055
05392	89159	99037	85148	26074	01419	84304	44470	56872	40388
17554	15671	18100	68125	72261	34242	20878	37859	61444	49105
95106	52864	43313	50144	25434	25589				
000	000								

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∴ ∴ ∴ E10

Not much to report. ABC and HNC were back for a short while. ABC on 6428 kHz starting on 10-7 at ca 1800 UTC till at least 0540 UTC on 12 July.

HNC and HNC were reported by Richard on 4114 kHz at 2022 UTC (HNC) and 2027 (HNCZ) on 11 July

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::: V02a

Mark sent us a "new voice" V02a log, dated 28 July, that had a snippet of morse between the messages. He says "I'm not sure if this is related or not, but the timing is suspicious."

```

9040 kHz, 0925 UTC: in progress 3rd call up 41804 (same as 3rd call up on
                    9240 kHz at 1000 UTC). The transmission ended at 0953 UTC.
9240 kHz, 0955 UTC: "3333333333"
                    0958 UTC: CW on 9239.4 kHz. CW went off about 2 seconds before 0959.
                    0959 UTC: "33333"
                    1000 UTC: Normal call up - 71611, 75344, 41804; YL, 5# sets, pause
                               every 10th set.
                    1043 UTC: "Finale, finale, finale", carrier off.

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::: V13

Still only one channel on the air, always on 8300 kHz.

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::: V25

Not often reported these days. Igor sent us a log from 19 May.

14525 kHz, 0120 UTC, 19 May: "375 this is 138" (repeated). No message.

★ MORSE STATIONS ★

::: MX

- Cluster beacons.

D - 4557.7, 5153.7, 7038.7, 8493.7, 10871.7, 13527.7, 16331.7
P - 4557.8, 5153.8, 7038.8, 8494.8, 10871.8, 13527.8, 16331.8, 20047.8
S - 5153.9, 5153.9, 7038.9, 8494.9, 10871.9, 13527.9, 16331.9
C - 4558.0, 5154.0, 7039.0, 8495.0, 10872.0, 13528.0, 16332.0
A - not reported
F - 13528.2 16331.2
K - 16332.3
M - 10872.4, 13528.4, 16332.4

- Channel markers.

L - not reported
P - 4031, 4476, 5111, 5862

R - 4325.9, 5465.9
V - 6498, 9161

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::: M01

Igor sent us several logs and samples from the past few months, including a number of M01 and possible M01 variants.

5248 kHz, 0252 UTC, 19-5: M01C

324 324 324 333 39t52 39t52
324 324 324 333 39t52 39t52
324 324 324 333 39t52 39t52
324 324 324 333 39t52 39t52
ttt

6991 kHz, 1201 UTC, 16-5: M01C

```
324 324 324 65932 65932
324 324 324 65932 65932
324 324 324 65932 65932
324 324 324 65932 65932
324 324 324
ttt
```

5072 kHz, 0134 UTC, 17-6: possible M01 variant

```
269 269 269 (repeated)
ttt
```

5073 kHz, 0101 UTC, 17-6: possible M01 variant

```
t22 t22 t22 (repeated)
ttt
```

5339 kHz, 0150 UTC, 17-6: possible M01 variant
Calling several stations at the same time. Very odd.

$$269 + 651 + t64$$

ttt

6770 kHz, 0106 UTC, 17-6: possible M01 variant

```
111 111 111 (repeated)
ttt
```

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::: M21

```
PV0 id "0" : 5468.5
PV0 id "9" : 9222 kHz
```

Sample messages:

```
=2t4375t191t8t4 =1472tt9t39381t =2t4375t191t8t4 =1t14432t5t181t =1t437322599213
=44721????4???? =1472tt9t371214 =99?1916?9????? =44719????4???? =1472tt9t372216
=99T821??T?????
=99?1702?9????? =14706090125400 =14707090454300
```

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∴ ∴ ∴ M22

As always active on 2680//4331//6379 kHz with messages and VVV marker
" = VVV DE 4XZ 4XZ = "

::: M51

Sample: = NR 17 J 25 16:46:28 1984 = FCLNE YQBBA

::: M82

```
vvv v4m de xlt qsa? qsa? qtc qtc 85
vvv v4m de xlt qsa? qsa? qtc qtc 85t1 25 85 t325 11tt 1t4 t18
= =
16448 98t36 5t445 62t44 23485 9t765 5t615 413t1 4858t 65863
75738 5288t 47729 18489 t5866 9t772 83721 5346t 82116 67995
73571 27659 3195t 26242 29789 43117 277t9 t3825 91t62 t4347
t6598 81455 23565 79374 71529 888t3 73585 277t2 43472 t8785
t6156 24725 269tt 94778 9328t 8t613 13323 26936 tt9t5 524t6
2773t 3t8tt 98391 85637 26879 98182 18758 85863 7t179 51165
97831 27819 13t54 34945 95921 21657 77726 317t2 8t551 16563
5t235 1t475 56732 49473 4t971 95883 82716 4t494 71687 41849
13414 696t4 7738t 56989 52684 k
```

::: M89

V AU34 AU34 AU34 de 567D 567D on 8301 kHz

V T3AP T3AP T3AP de QF3K QF3K on 8437 kHz

V MW3D MW3D MW3D DE 2SLC 2SLC on 7074 kHz

V CP17 CP17 CP17 de L9CC L9CC on 3542.2, 7034.0, 7044.0, 7056.7, 7060.6,
7061.4, 7062.1, 7062.4, 7063.0, 7064.0,
7064.7, 7065.0, 7066.0, 7066.5, 7067.0,
7068.0, 7069.0, 7069.3, 7072.0, 7073.0
7074.0 kHz

* VARIOUS MODES *

::: X06 & M42

An overview of this month's X06/M42 logs:

6959	1818	03-7	Mazielka. Sequence: 154632
9147	1810	03-7	Mazielka. Sequence: 154632
9923.4	1518	13-7	Mazielka. Sequence: 463125
10815	1910	17-7	Mazielka. Sequence: 241563
11072.5	1130	30-7	Dept. of State Comms Moscow. Mode: Crowd-36/40/1500 encrypted
11415	1539	26-7	Dept. of State Comms Moscow. Mode: USB/MFSK-32/CROWD36. Offline crypto to unlocated embassy on link 60069
11462	0905	03-7	Mazielka. Sequence: 165423
11525	1910	17-7	Mazielka. Sequence: 156234
12109	0955	23-7	Mazielka. Sequence: 431625
12158	1516	26-7	Dept. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
12178	1057	13-7	Mazielka
12213	0737	27-7	Dept. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
12224	0705	12-7	Mazielka. Sequence: 463125
13940	1014	25-7	Mazielka. Sequence: 156234
14720	1255	31-7	Mazielka call
14765	1113	03-7	Mazielka. Sequence: 154632
14863	0758	27-7	Dept. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
18321	0907	23-7	Mazielka

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::: SK01

Also an overview of the reported Cuban DGI PSK31 transmissions in July.

```
12165 kHz, 02-7, 1910, PSK31 modulation: PSK220F
12119 kHz, 03-7, 1800, PSK31 modulation: PSK220F
12165 kHz, 03-7, 1900, PSK31 modulation: PSK220F
12165 kHz, 05-7, 1900, PSK31
12165 kHz, 06-7, 1900, PSK31
12120 kHz, 09-7, 1800, PSK31
12165 kHz, 09-7, 1900, PSK31
12120 kHz, 16-7, 1800, PSK31
```

★ MILITARY STATIONS ★

::: RUSSIAN, CIS, UKRAINIAN MILITARY SSB & CW STATIONS (including M32)

18.1 Russian Mil, Moscow.
"xxx RKS RDL 61439 65508 elementar 5112 6009 k"
"xxx RKS RDL 60157 18197 pletenica 3702 0299 k"
"xxx RDL 04336 70703 sakura 5328 7898 k"
2308 RIT: Russian Navy
4039 RIT: Russian Navy calling CLG RLEM, RLNT, RLEA
5111 RMP: Russian Navy, Kaliningrad
5144 Russian Mil. Messages
5805 Russian Navy. RAL36 calling RMP
5881 RMP: Russian Navy, Kaliningrad
6873 RMP: HQ Baltic Fleet Kaliningrad. "REO de RMP 915 144 27 1855 915 SLV"
7077.7 Russian Air Force, Moscow: REA4
7088 Russian Navy. RGV82 calling RMP
7537 RCV: Russian Navy Black Sea Fleet. Wx forecast
7822 RGT77: Russian Mil. "...RGT77 278=(5LGs)=K"
8345 RK081: Russian Warship (?) in traffic to RIT on 11155: "... 10194 25327
28026 = AR RK081 K"
11155 RIT: Russian Navy. "xxx RLO 70703 sakura 5328 7898 k"
11354 PRIBOJ: Russian Naval Air Transport Central Station, Moscow
wkg aircraft 75185
14016 Russian Mil. Radio checks. Call signs: 5CDV, A36U, ATMI, SADC,
14108 Russian Mil. Radio checks. Call signs + messages: G5DR, WLDV, CTBO,
TBAK, SKI2, CPXA, 3FI4, T7YG, Y1CQ, ZOXAR, G5DR, W62X, TAAC, IYV7,
BF5N, WEGI, PS6Q, 9QV9, M460, WSJB.
Sample: "XXX WEGI 99220 BROWALOLN 5112 K"
14118 Russian Mil. Radio checks + messages. Call signs: LS1C, P7HK, ZTWM,
BFHH, MMPQ

★ UTILITY ROUNDUP ★

::: UNID STATIONS

We have a number of unid stations this month. Any info is greatly appreciated.

The first list has been supplied by Igor.

6651 kHz, several times on 3 and 8 May. Mode: CW.

3 May, 0249 UTC: ... 9565 k qtr 82982t k
<pause>

8230 kHz USB: OM working an OM in Arabic. Brazil and Maracaibo were mentioned in the chat. Communication procedures and terminology usage suggests maritime link.

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::: PIRATE BEACONS

Reported by various dxers. Most probably all located in the USA.

1753.98 kHz. Beacon KW102. 4x long dash, every 3 minutes. Ca 7 WPM.

3450.00 kHz. Beacon "OK"

4079.50 kHz. Temperature beacon - 92f.

4110.00 kHz. Continuous "T"

8211.80 kHz. Beacon "OR"

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::: DRIFT NET BEACONS

The drift net beacons mentioned here were logged in New Zealand, S.E. USA, and Europe. Thanks for the reports, gentlemen.

28040.8 - CL	28041.3 - CZ	28085.4 - CL
28096.5 - CL	28101.4 - D	28101.7 - BN
28110.0 - BN	28121.3 - P	28131.0 - DF
28146.2 - G	28151.0 - R	28165.0 - NA
28171.4 - BO	28176.0 - L	28181.1 - MA
28190.0 - B	28191.3 - MA	28201.0 - MA
28221.0 - MA	28235.0 - CP	28286.0 - DN
28291.0 - SF	28310.0 - S	28310.1 - BV
28310.3 - NA	28355.0 - CP	

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TIME SIGNALS

The Time and Frequency Lab of the "Centre for Metrology and Accreditation" (MIKES) on the Otaniemi Campus, Espoo, Finland has been heard by Tom on 25000 kHz with time signals in DCF77 format.

It was the first time for me to see a log of this station. Has anyone else heard it? MIKES announces these signals on there website but there is no schedule mentioned.

URL: <http://www.mikes.fi>

* INTELLIGENCE PROFILE - INDONESIA *

::: BACKGROUND

The Dutch began to colonize Indonesia in the early 17th century; the islands were occupied by Japan from 1942 to 1945. Indonesia declared its independence after Japan's surrender, but it required four years of intermittent negotiations, recurring hostilities, and UN mediation before the Netherlands agreed to relinquish its colony. Indonesia is the world's largest archipelagic state and home to the world's largest Muslim population. In 2005, Indonesia reached a historic peace agreement with armed separatists in Aceh, but it continues to face a low intensity separatist guerilla movement in Papua.

::: GENERAL

Long name : Republik Indonesia (Republic of Indonesia)

Short name: Indonesia

Capital : Jakarta

Administrative divisions:

- 30 provinces (propinsi): Bali, Banten, Bengkulu, Gorontalo, Irian Jaya Barat, Jambi, Jawa Barat, Jawa Tengah, Jawa Timur, Kalimantan Barat, Kalimantan Selatan, Kalimantan Tengah, Kalimantan Timur, Kepulauan Bangka Belitung, Kepulauan Riau, Lampung, Maluku, Maluku Utara, Nusa Tenggara Barat, Nusa Tenggara Timur, Papua, Riau, Sulawesi Barat, Sulawesi Selatan, Sulawesi Tengah, Sulawesi Tenggara, Sulawesi Utara, Sumatera Barat, Sumatera Selatan, Sumatera Utara.
- 2 special regions (daerah istimewa): Aceh, Yogyakarta.
- 1 special capital city district (daerah khusus ibukota): Jakarta Raya.

::: MILITARY & INTELLIGENCE

Military branches:

Indonesia Armed Forces (Tentara Nasional Indonesia, TNI): Army, Navy (includes Marines, naval air arm), Air Force, KOPASSUS (Army Special Forces Command), OPSUS (Army Special Operations Service).

Note: The TNI is directly subordinate to the president but the government is making efforts to incorporate it into the Department of Defense.

Intelligence:

- | | |
|--------------|--|
| BAIS | - Badan Intelijen Strategis / Armed Forces Strategic Intelligence Agency |
| BAKIN | - Badan Koordinasi Intelijen Negara / State Intelligence Co-ordinating Agency |
| BIN | - Badan Intelijen Negara / State Intelligence Agency |
| POLRI | - Polisi Republik Indonesia / Indonesian Police |
| BAKORSTANSAS | - Badan Koordinasi Bantuan Pemantapan Stabilitas Nasional (Coordination Agency for the Consolidation of National Security) |

KOPKAMTIB - Operational Command for the Restoration of Security and Order
(1965-1985)

KOPKAMTIB was established in 1965. It's main task was to remove communist elements from the armed forces and government. Later the agency was in charge of internal security. Between 1969 and 1979, KOPKAMTIB ran a penal colony on Buru Island. KOPKAMTIB was disbanded in 1985. It's successor is BAKORSTANAS.

The two largest Indonesian intelligence agencies (BAKIN and BAIS) are still dominated by the military. This didn't change much when BAKORSTANAS succeeded KOPKAMTIB in 1985. The agency now controls the BAKIN, BAIS, the intelligence branch of Armed Forces and the KODAMs (regional commands of the army).

The BAKIN is the central intelligence agency, which analyses both domestic and foreign intelligence. BAKIN reports directly to the president. In the early 1990's BAKIN has been restructured and was given a new name: Badan Intelijen Nasional (BIN), "National Intelligence Agency". BIN will analyse and process all information and co-ordinate all intelligence agencies. It still reports directly to the president.

BAIS is the army's agency for intelligence collection and processing. Several plans to establish a new intelligence body under the DEPHAN (Ministry of Defence) have surfaced during the past few years but I could not get a confirmation that this agency actually has been established.

::: SOURCES

CIA World Factbook (Background and General items)
Library of Congress Country Studies (several historic items)

* LOGS SECTION *

2680	M22	CW 28-7-2007 2033 (SW2) 4XZ: Israeli Navy Haifa. == ar ar vvv de 4xz 4xz=
2849.5	M51	CW 27-7-2007 1430 (SW2) = nr 71 j 24 16:31:21 1984 = eyuol obgrc qhpcpg†..
3542.2	M89	CW 29-4-2007 1854 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
3840	E10	AM 25-7-2007 2303 (MPJ) YHF: Msg GR4 Txt ZPOXE HGGTQ VVSOT ... UZWVA CIAQE ... (rather more than four groups!
4028.0	V02a	AM 7-7-2007 Sat 0300 (MS) A 26661 85532 41308 (YL/SS. New format.)

4031	MX	CW 21-7-2007 2247 (MGJ) Channel marker "P" Kaliningrad // 4476 kHz
4114	E10	AM 11-7-2007 2022 (RiN) HNC
4114	E10	AM 11-7-2007 2027 (RiN) HNCZ
4331	M22	CW 27-7-2007 2200 (SW2) 4XZ: Israeli Navy Haifa. VVV DE 4XZ marker
4331	M22	CW 28-7-2007 2109 (SW2) 4XZ: Israeli Navy Haifa. == ar ar vvv de 4xz 4xz=
4461.0	E10	AM 10-7-2007 Tue 2150 (AS)
4476	MX	CW 21-7-2007 2247 (MGJ) Channel marker "P" Kaliningrad // 4031 kHz
4479	V02a	AM 27-7-2007 0438 (N2UHC) 5FGs in progress
4479	V02a	AM 27-7-2007 0502 (N2UHC) 78103 38224 66088 callup & 5FGs msgs
4625.0	S28	USB 10-7-2007 Tue 2000 (AS) The Buzzer singing his eternal song.
4700	M82	CW 16-5-2007 1559 (IB) vvv v4m de xlt qsa? qsa? qtc qtc 85t1 25 85 t325 11tt 1t4 t18 = =
4848	M01b	CW 3-7-2007 Tue 1820 (FN) 210 791 23
4880.0	E10	AM 10-7-2007 Tue 2245 (AS)
5091	E10	AM 9-7-2007 2053 (DP2) in progress. Carrier until 2100 then "JSR", 5FGs at 2103
5091.0	E10	AM 6-7-2007 Fri 2250 (AS)
5091.0	E10	AM 16-7-2007 Mon 2005 (AS)
5152	M01b	CW 2-7-2007 Mon 1922 (FN) ip, ends 78024 51846 == 958 34 000. This is 1915z txm
5153.8	MX	CW 4-7-2007 1649 (AB) Cluster beacon "P"
5192.5	M51	CW 27-7-2007 1402 (SW2) = nr 67 j 24 16:06:23 1984 = medqs cxtpx tzdkc yifpl††
5248	M01C	CW 19-5-2007 0252 (IB) 324 324 324 333 39t52 39t52 ttt
5254	M51	CW 27-7-2007 1413 (SW2) = nr 67 j 24 16:06:23 1984 = nr 68 j 24 16:12:42 1984 = mffgh cqa
5254	M51	CW 27-7-2007 2230 (SW2) =nr 58 j 25 00:30:18 1984 = zodrb vzcyw wohwz ††
5280	M01/3	CW 3-7-2007 Tue 1800 (FN) 025 673 30
5339	E10	AM 4-7-2007 2220 (DJP) KAP 2
5417.0	V02a	AM 6-7-2007 Fri 0200 (MS) A ----- (YL/SS. New format. Already in progress,

missed callups.)

5420	M51	CW 24-7-2007 1105 (MGJ) French Mil. NR 67 J 25 12:03:06 1984 = ZHUHJ IVTCM ... //10651 kH
5425.0	E06	AM 29-7-2007 Sun 1700 (PoRus) with message for "674", end - fast "000 00". S9: good signal.
5465.9	MX	CW 20-7-2007 2125 (SW2) Channel marker "R"
5465.9	MX	CW 27-7-2007 2252 (SW2) Channel marker "R"
5466.0	MX	CW 8-7-2007 Sun 2220 (AS) Marker "R"
5468.5	M21	CW 28-7-2007 0421 (PP) Russian Air Defence =99T821??T?????
5476	E03	USB 22-7-2007 2110 (SW2) Lincolnshire Poacher. msg id 10140 // 06959 and 9251 kHz
5731	E06	AM 20-7-2007 2132 (SW2) 315 repeated. 891 891 22 22 5FGs 891 891 22 22 00000
5759.0	M08a	MCW 3-7-2007 Tue 0900 (MS) ID 82037 38870 34365 (New format.)
5759.0	M08a	MCW 5-7-2007 Thu 0900 (MS) ID 34754 34701 83640 (New format.)
5762.0	V02a	AM 7-7-2007 Sat 0200 (MS) A 13167 46032 81600 (YL/SS. New format. Repeat of 0100z on 6768m.)
5788	M12	CW 2-7-2007 Mon 2010 (FN) 463 1 3018 39
5788	M12	CW 4-7-2007 Wed 2010 (FN) 463 1 4962 70
5788	M12	CW 23-7-2007 Mon 2010 (FN) 463 1 3018 39
5800.0	M08	CW 11-7-2007 Wed 0603 (HFD) cut 5f logged in Ft. Bragg, CA
5800.0	M08a	MCW 3-7-2007 Tue 1000 (MS) ID 82037 38870 34365 (New format. Repeat of 0900z on 5759m.)
5800.0	M08a	MCW 5-7-2007 Thu 0600 (MS) ID 47632 67766 24585 (New format.)
5800.0	M08a	MCW 5-7-2007 Thu 1000 (MS) ID 34754 34701 83640 (New format. Repeat of 0900z on 5759m.)
5800.0	M08a	MCW 16-7-2007 Mon 0600 (MS) ID 86674 12715 10024 (New format. Repeat of 0500z on 5898m.)
5800.0	V02a	AM 17-7-2007 Tue 0700 (MS) A 83740 08503 55816 (YL/SS. New format. This should be on 5883m.)
5820.0	E10	AM 8-7-2007 Sun 2157 (AS)

		YHF-2	
5843	M12	CW 4-7-2007 Wed 2020 (FN)	
		698 1 811 225	
5883.0	V02a	AM 5-7-2007 Thu 0700 (MS)	
		A 08501 16236 42702 (YL/SS.	New format.)
5883.0	V02a	AM 16-7-2007 Mon 0700 (MS)	
		A 77232 51361 42502 (YL/SS.	New format.)
5883.0	V02a	AM 17-7-2007 Tue 0704 (MS)	
		A ----- 08503 55816 (YL/SS.	New format. Moved to correct freq at 0704z.)
5883.0	V02a	AM 19-7-2007 Thu 0700 (MS)	
		A 35416 87816 72766 (YL/SS.	New format.)
5883.0	V02a	AM 24-7-2007 Tue 0700 (MS)	
		A 46161 51272 86313 (YL/SS.	New format.)
5883.0	V02a	AM 30-7-2007 Mon 0700 (MS)	
		A ----- 25208 30702 (YL/SS.	New format. Sked up late and in progress.)
5897.0	M08a	CW 5-7-2007 Thu 0525 (DH)	
		In progress. Very strong and steady signal. Not positive it is M8a, but reason	
5898.0	M08a	MCW 16-7-2007 Mon 0500 (MS)	
		ID 86674 12715 10024 (New format.)	
5898.0	V02a	AM 2-7-2007 Mon 0800 (MS)	
		A 13511 03440 27778 (YL/SS.	New format.)
5898.0	V02a	AM 17-7-2007 Tue 0800 (MS)	
		A 83740 08503 55816 (YL/SS.	New format. Repeat of 0704z on 5883m.)
5898.0	V02a	AM 19-7-2007 Thu 0800 (MS)	
		A 35416 87816 72766 (YL/SS.	New format. Repeat of 0700z on 5883m.)
5898.0	V02a	AM 30-7-2007 Mon 0800 (MS)	
		A 72151 25208 30702 (YL/SS.	New format. Repeat of 0700z on 5883m.)
5898.0	V02a	AM 31-7-2007 Tue 0800 (MS)	
		A 31766 53446 85468 (YL/SS.	New format.)
5905.0	S06	AM 31-7-2007 Tue 1800 (HFD)	
		624-819/7=31448	
6325.0	S06	AM 31-7-2007 Tue 1810 (HFD)	
		624-819/7=31448	
6379	M22	CW 6-7-2007 2104 (AB)	
		4XZ Israeli navy Haifa. == MN3D NR 401 UC GR 02 == + 5LGs and VVV DE 4XZ	
6379	M22	CW 20-7-2007 1825 (WP3)	
		4XZ: Israeli Ny Haifa. "sg2i 520103 ai2i gr 95 == ar ar vvv de 4xz ==	
6379	M22	CW 27-7-2007 2301 (SW2)	
		4XZ: Israeli Navy Haifa. VVV DE 4XZ marker + msgs	
6379.0	M22	CW 2-7-2007 Mon 2150 (AS)	

		marker 4XZ
6379.0	M22	CW 10-7-2007 Tue 2140 (AS) v v v de 4XZ ==
6428	E10	AM 10-7-2007 1800 (AVX) ABC
6428	E10	AM 11-7-2007 2054 (RiN) ABC
6428	E10	AM 12-7-2007 0541 (AVX) ABC
6498	MX	CW 30-6-2007 1454 (IB) marker "V"
6524	S11	AM 4-7-2007 Wed 0900 (FN) 214/00
6524	S11a	AM 18-7-2007 0900 (MUK) 214/00
6768.0	V02a	AM 7-7-2007 Sat 0100 (MS) A 13167 46032 81600 (YL/SS. New format.)
6768.0	V02a	AM 9-7-2007 Mon 0400 (MS) A 83600 23012 21133 (YL/SS. New format. Repeat of 0300z on 6855m.)
6768.0	V02a	AM 16-7-2007 Mon 0400 (MS) A 71281 73002 20662 (YL/SS. Old format.)
6785.0	E06	AM 29-7-2007 Sun 1800 (PoRus) with message for "352", end - fast "000 00". S7 - S9: good signal.
6786.0	M08a	CW 2-7-2007 Mon 0900 (MS) ID 22615 57164 27388 (New format.)
6786.0	M08a	CW 4-7-2007 Wed 0900 (MS) (Garbled signal, no copy.)
6786.0	M08a	MCW 5-7-2007 Thu 0705 (MS) ID ----- 52300 73786 (New format. Late start at 0705z. Repeat of 0618z on 682
6786.0	M08a	CW 9-7-2007 Mon 0900 (MS) ID 10405 37710 30576 (New format.)
6786.0	M08a	CW 11-7-2007 Wed 0900 (MS) ID 65078 27646 62314 (New format.)
6786.0	M08a	MCW 17-7-2007 Tue 0705 (MS) (New format. In progress, missed calls. Moved to correct freq at 0705z.)
6786.0	M08a	CW 18-7-2007 Wed 0900 (MS) ID 70071 25006 58384 (New format.)
6786.0	M08a	MCW 19-7-2007 Thu 0700 (MS) ID 72208 74150 05352 (New format.)
6786.0	M08a	MCW 31-7-2007 Tue 0700 (MS) ID 04541 15682 31636 (New format.)
6797	M03	CW 4-7-2007 Wed 0730 (FN) 508/00
6802	M12	CW 2-7-2007 Mon 1950 (FN)

		463 1 3018 39
6802	M12	CW 4-7-2007 Wed 1950 (FN)
		463 1 4962 70
6802	M12	CW 23-7-2007 Mon 1950 (FN)
		463 1 3018 39
6826.0	M08a	MCW 5-7-2007 Thu 0618 (MS)
		ID ----- 52300 73786 (New format. Late start at 0618z.)
6826.0	M08a	MCW 17-7-2007 Tue 0700 (MS)
		(New format. In progress, missed calls. This should be on 6786m.)
6842.0	E10	AM 10-7-2007 Tue 2215 (AS)
6855.0	V02a	AM 2-7-2007 Mon 0303 (MS)
		A 11514 ----- (YL/SS. New format. Cuban radio on now and blocking new V02a
6855.0	V02a	AM 4-7-2007 Wed 2100 (MS)
		A 39571 62741 48741 (Old format. Repeat of 2000z on 7887m.)
6855.0	V02a	AM 5-7-2007 Thu 2100 (MS)
		A 39572 62742 48742 (YL/SS. Old format.)
6855.0	V02a	AM 6-7-2007 Fri 2100 (MS)
		A 48244 54555 58515 (YL/SS. New format.)
6855.0	V02a	AM 8-7-2007 Sun 2100 (MS)
		A 51120 82626 77112 (YL/SS. New format. Repeat pf 2000z on 7887m. QRM heavy
6855.0	V02a	AM 9-7-2007 Mon 0300 (MS)
		A 83600 23012 21133 (YL/SS. New format.)
6855.0	V02a	AM 15-7-2007 Sun 2100 (MS)
		A 56083 30481 74158 (YL/SS. New format. Repeat of 2000z on 7887m.)
6904	M12	CW 2-7-2007 Mon 1840 (FN)
		257 1 1758 118
6904	M12	CW 3-7-2007 Tue 1840 (FN)
		257 1 3384 101
6904	M12	CW 22-7-2007 Sun 1840 (FN)
		257 1 2475 111
6904	M12	CW 22-7-2007 Sun 1940 (FN)
		257 1 9216 77
6904	M12	CW 23-7-2007 Mon 1840 (FN)
		257 1 6346 139
6959	E03	USB 22-7-2007 2110 (SW2)
		Lincolnshire Poacher. msg id 10140
6959	X06	AM 3-7-2007 Tue 1818 (FN)
		sequence 1 5 4 6 3 2
6959.0	E03	USB 6-7-2007 Fri 2230 (AS)
		//9251
6959.0	E03	USB 16-7-2007 Mon 2020 (AS)
6985.0	E10	AM 16-7-2007 Mon 1947 (AS)
6991	M01C	CW 16-5-2007 1201 (IB)

		324 324 324 65932 65932 324 324 324 ttt
6996	M12	CW 4-7-2007 Wed 2000 (FN) 698 1 811 225
7034	M89	CW 4-4-2007 2300 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7038.8	MX	CW 4-7-2007 1352 (AB) Cluster beacon "P"
7044	M89	CW 8-3-2007 1640 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7056.7	M89	CW 4-6-2007 2023 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7060.6	M89	CW 30-6-2007 1924 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7061.4	M89	CW 26-6-2007 2028 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7061.6	M89	CW 9-3-2007 1652 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7062	M89	CW 2-6-2007 1846 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7062.1	M89	CW 10-6-2007 2009 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7062.4	M89	CW 16-6-2007 2131 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7063	M89	CW 26-5-2007 1440 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7063	M89	CW 5-6-2007 1954 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7064	M89	CW 19-6-2007 2028 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7064.7	M89	CW 7-6-2007 2042 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7065	M89	CW 18-6-2007 1936 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7066	M89	CW 27-6-2007 1404 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7066.5	M89	CW 1-2-2007 0155 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7067	M89	CW 22-4-2007 1604 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7068	M89	CW 1-2-2007 2808 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7069	M89	CW 12-2-2007 1416 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7069.3	M89	CW 15-6-2007 1948 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7072	M89	CW 26-4-2007 1806 (IARUMS) V CP17 CP17 CP17 de L9CC L9CC
7073	M89	CW 17-2-2007 1440 (IARUMS)

7074	M89	V CP17 CP17 CP17 de L9CC L9CC CW 12-2-2007 0949 (IARUMS)
7377	E11	V MW3D MW3D MW3D DE 2SLC 2SLC AM 7-7-2007 1630 (MUK) 287/00
7377	E11	AM 29-7-2007 1630 (MUK) 287/00
7377	E11	AM 30-7-2007 1630 (MUK) 287/00
7377	S11a	AM 5-7-2007 1030 (MUK) 214/00
7377	S11a	AM 19-7-2007 1030 (MUK) 214/00
7439	M03c	CW 23-7-2007 Mon 0900 (FN) 972/33 == 77777 77777 59891 ...
7481.0	M08a	CW 2-7-2007 Mon 2200 (MS) ID 74032 25528 40466 (Old format.)
7481.0	M08a	CW 15-7-2007 Sun 2200 (MS) D 44111 28328 42385 (New format. Repeat of 2100z on 7974m.)
7623.5	M51	CW 14-7-2007 1442 (SW2) = nr 17 j 25 16:46:28 1984 bt fclne yqbba...
7632	M12	CW 4-7-2007 Wed 1940 (FN) 698 1 811 225
7637	M03	CW 3-7-2007 Tue 1200 (FN) 741/00
7654.0	XPA	AM 20-7-2007 Fri 2040 (HFD) msg
7654.0	XPA	AM 31-7-2007 Tue 2040 (HFD) msg
7663	M03	CW 4-7-2007 Wed 1445 (FN) 271/00
7663.0	M03	CW 30-7-2007 Mon 1445 (HFD) 271/00
7726.0	M08a	CW 2-7-2007 Mon 1000 (MS) ID 22615 57164 27388 (New format. Repeat of 0900z on 6786m.)
7726.0	M08a	CW 4-7-2007 Wed 1000 (MS) (Garbled signal, no copy. Should be repeat of 0900z on 6786m.)
7726.0	M08a	CW 6-7-2007 Fri 1000 (MS) ID 04728 88418 64175 (New format.)
7726.0	M08a	CW 7-7-2007 Sat 1000 (MS) ID 83171 06166 08755 (New format.)
7726.0	M08a	CW 11-7-2007 Wed 1000 (MS) ID 65078 27646 62314 (New format. Repeat of 0900z on 6786m.)
7760.0	E10	AM 8-7-2007 Sun 1530 (AS)

		ULX-2
7772	M03	CW 3-7-2007 Tue 1545 (FN) 404/00 now up on Tuesdays
7772	M03	CW 6-7-2007 Fri 1545 (FN) 404/00
7887	M08a	CW 16-7-2007 0621 (Vambo) in progress w/good levels
7887.0	M08a	CW 5-7-2007 Thu 0600 (MS) ID 45654 03177 26015 (New format.)
7887.0	M08a	CW 16-7-2007 Mon 0600 (MS) ID 80832 42341 06377 (New format. Repeat of 0500z on 9063m.)
7887.0	V02a	AM 4-7-2007 Wed 2000 (MS) A 39571 62741 48741 (Old format.)
7887.0	V02a	AM 8-7-2007 Sun 2000 (MS) A 51120 82626 77112 (YL/SS. New format.)
7887.0	V02a	AM 14-7-2007 Sat 2000 (DM) A ##085 83471 2#148
7887.0	V02a	AM 15-7-2007 Sun 2000 (MS) A 56083 30481 74158 (YL/SS. New format.)
7887.0	V02a	AM 18-7-2007 Wed 2000 (DM) A 27743 41303 05373 old format
7910	E06	AM 29-7-2007 1930 (MUK) 690 000
7910.0	E06	AM 1-7-2007 Sun 1930 (HFD) 690/0
7920	M24	CW 3-7-2007 Tue 1808 (FN) i.p., ends == 957 104 00000. 1.txm 1730z??
7920	M24	CW 4-7-2007 Wed 1900 (FN) 798 798 798 31955 R4 00000 new format
7931	M12	CW 2-7-2007 Mon 1820 (FN) 257 1 1758 118
7931	M12	CW 3-7-2007 Tue 1820 (FN) 257 1 3384 101
7931	M12	CW 22-7-2007 Sun 1820 (FN) 257 1 2475 111
7931	M12	CW 22-7-2007 Sun 1920 (FN) 257 1 9216 77
7931	M12	CW 23-7-2007 Mon 1820 (FN) 257 1 6346 139
7974.0	M08a	CW 6-7-2007 Fri 2100 (MS) ID 41065 41471 64711 (New format.)
7974.0	M08a	CW 15-7-2007 Sun 2100 (MS) ID 44111 28328 42385 (New format.)
7984.0	M03	CW 26-7-2007 Thu 1000 (HFD) 972/23
8047	M12	CW 2-7-2007 Mon 1930 (FN) 463 1 3018 39

8047	M12	CW 4-7-2007 Wed 1930 (FN) 463 1 4962 70
8047	M12	CW 23-7-2007 Mon 1930 (FN) 463 1 3018 39
8097.0	M08a	MCW 2-7-2007 Mon 1800 (MS) ID 79184 99474 64334 (Old format.)
8097.0	M08a	MCW 2-7-2007 Mon 1900 (MS) ID 79184 99474 64334 (Old format. Repeat of 1800z on 8097m.)
8097.0	M08a	MCW 4-7-2007 Wed 1900 (MS) ID 64101 76981 50281 (Old format.)
8097.0	M08a	MCW 5-7-2007 Thu 1800 (MS) ID 64102 76982 50282 (Old format. Very weak signal.)
8097.0	M08a	MCW 5-7-2007 Thu 1900 (MS) ID 64102 76982 50282 (Old format. Repeat of 1800z on 8097.)
8097.0	M08a	MCW 6-7-2007 Fri 1800 (MS) ID 64103 76983 50283 (Old format.)
8097.0	M08a	MCW 6-7-2007 Fri 1900 (MS) ID 64103 76983 50283 (Old format. Repeat of 1800z on 8097m.)
8097.0	M08a	MCW 8-7-2007 Sun 1800 (MS) ID 52172 16775 51443 (New format.)
8097.0	M08a	MCW 8-7-2007 Sun 1900 (MS) ID 52172 16775 51443 (New format. Repeat of 1800z on 8097m.)
8097.0	M08a	MCW 15-7-2007 Sun 1800 (MS) (In progress, too weak for copy.)
8097.0	M08a	MCW 15-7-2007 Sun 1900 (MS) ID 38325 51636 51304 (New format. Should be repeat of 1800z on 8097m.)
8097.0	M08a	MCW 16-7-2007 Mon 1800 (MS) (Carrier up on time, but no traffic sent by 1807z.)
8116	M12	CW 2-7-2007 Mon 1940 (FN) 124 1 2137 44
8116	M12	CW 23-7-2007 Mon 1940 (FN) 124 1 6411 67
8186.0	M08a	MCW 2-7-2007 Mon 0800 (MS) ID 81348 33471 75838 (New format. Very weak signal.)
8186.0	M08a	MCW 11-7-2007 Wed 0800 (MS) ID 55931 77231 47875 (New format.)
8186.0	M08a	MCW 30-7-2007 Mon 0800 (MS) ID 56701 86273 61308 (New format.)
8301	M89	CW 26-6-2006 1457 (IB) v au34 au34 au34 de 567d 567d
8437	M89	CW 23-7-2007 1834 (MGJ) V T3AP T3AP T3AP de QF3K QF3K
8437.0	M22	CW 6-7-2007 Fri 2300 (AS)

		"T3AP DE QF3 K "
8437.0	M89	CW 16-7-2007 Mon 2040 (AS) "t3ap de qf3 k"
8464.0	E03	USB 8-7-2007 Sun 1619 (AS) //10426
8464.0	E03	USB 22-7-2007 Sun 2200 (RCh)
8672.0	M22	CW 8-7-2007 Sun 1540 (AS) "...ar ar vvv de 4XZ..."
8672.0	M22	CW 15-7-2007 Sun 2135 (AS) 4XZ // 6379
8708	XM	USB 11-7-2007 2048 (S&D) Whales
8708.0	XM	USB 4-7-2007 Wed 1720 (AS)
8708.0	XM	USB 8-7-2007 Sun 1515 (AS)
8708.0	XM	USB 11-7-2007 Wed 2130 (AS) long time running
8800	M03c	CW 4-7-2007 Wed 0845 (FN) 258/32 == 77777 77777 ...
8800.0	M03	CW 30-7-2007 Mon 0845 (HFD) 252/00
9040	V02a	AM 28-7-2007 0925 (MT2) New voice ip 3rd call up 41804 (same as 3rd call up on 9240 at 1000
9040.0	V02a	AM 3-7-2007 Tue 0900 (MS) A 45082 31314 88230 (YL/SS. New format.)
9040.0	V02a	AM 4-7-2007 Wed 0900 (MS) A 13513 49812 00322 (YL/SS. Old format.)
9040.0	V02a	AM 5-7-2007 Thu 0900 (MS) A 08501 75503 06173 (YL/SS. New format. Very weak signal.)
9040.0	V02a	AM 11-7-2007 Wed 0900 (MS) A 57541 72353 46667 (YL/SS. New format.)
9040.0	V02a	AM 11-7-2007 Wed 0940 (AS) ends "final,final,final"
9040.0	V02a	AM 18-7-2007 Wed 0900 (MS) A 76741 02130 43260 (YL/SS. New format.)
9060	M03	CW 23-7-2007 Mon 0815 (FN) 552/00
9060	M03c	CW 6-7-2007 Fri 0815 (FN) 554/33 == 77777 77777 03758...
9063.0	M08a	MCW 4-7-2007 Wed 0900 (MS) ID 61767 46291 87225 (New format.)
9063.0	M08a	MCW 6-7-2007 Fri 0800 (MS) ID 21581 34710 21551 (New format.)
9063.0	M08a	MCW 11-7-2007 Wed 0800 (MS) ID 43816 03606 22631 (New format.)
9063.0	M08a	MCW 11-7-2007 Wed 0900 (MS) ID 55931 77231 47875 (New format. Repeat of 0800z on

8186m.)

9063.0	M08a	CW 16-7-2007 Mon 0500 (MS) ID 80832 42341 06377 (New format.)
9063.0	M08a	MCW 18-7-2007 Wed 0900 (MS) ID 25360 61521 11310 (New format.)
9063.0	M08a	MCW 27-7-2007 Fri 0800 (MS) ID 21561 25901 09941 (Old format. Repeat of 0700z on 9153m.
9112.0	M08a	CW 4-7-2007 Wed 1600 (AS)
9120	M24	CW 4-7-2007 Wed 1830 (FN) 798 798 798 31955 R4 00000 new format
9130.0	E10	AM 2-7-2007 Mon 2200 (AS) EZI+msg:group 74
9130.0	E10	AM 4-7-2007 Wed 1820 (AS)
9130.0	E10	AM 6-7-2007 Fri 2232 (AS)
9130.0	E10	AM 11-7-2007 Wed 2230 (AS) EZI - group 51+msg
9130.0	E10	AM 15-7-2007 Sun 2204 (AS) EZI + msg "group 74..."
9147	X06	AM 3-7-2007 Tue 1810 (FN) sequence 1 5 4 6 3 2
9150	M03	CW 23-7-2007 Mon 1545 (FN) 143/38 == 48155 44254 ...
9153.0	M08a	MCW 18-7-2007 Wed 0700 (MS) ID 18611 06421 72841 (New format.)
9153.0	M08a	MCW 27-7-2007 Fri 0700 (MS) ID ----- (Old format. Sked up late and already in traffic.
9161	MX	CW 1-7-2007 0458 (IB) Channel marker "V"
9176	M12	CW 2-7-2007 Mon 1800 (FN) 257 1 1758 118
9176	M12	CW 3-7-2007 Tue 1800 (FN) 257 1 3384 101
9176	M12	CW 22-7-2007 Sun 1800 (FN) 257 1 2475 111
9176	M12	CW 22-7-2007 Sun 1900 (FN) 257 1 9216 77
9176	M12	CW 23-7-2007 Mon 1800 (FN) 257 1 6346 139
9222	M21	CW 26-7-2007 1511 (SW2) PV0. =2t4375t191t8t4 =1472tt9t39381t =2t4375t191t8t4 =1t14432t5t1
9222	M21	CW 28-7-2007 1304 (MPJ) Russian Air Defence (PV0)=99?1702?9????? =14706090125400 =1470709
9240	V02a	AM 28-7-2007 1000 (MT2) Normal call up: 71611, 75344, 41804; YL, 5# sets, pause

		every 10t
9240.0	V02a	AM 2-7-2007 Mon 1000 (MS) A 13511 33506 13142 (YL/SS. New format.)
9240.0	V02a	AM 3-7-2007 Tue 1000 (MS) A 45082 31314 88230 (YL/SS. New format. Repeat of 0900z on 9040m.)
9240.0	V02a	AM 4-7-2007 Wed 1000 (MS) A 13513 49812 00322 (YL/SS. Old format. Repeat of 0900z on 9040m.)
9240.0	V02a	AM 5-7-2007 Thu 1000 (MS) A 08501 75503 06173 (YL/SS. New format. Very weak signal. Repeat of 0900z
9240.0	V02c	AM 25-7-2007 Wed 1026 (MT2) 2 sec. bet sets, 3 sec. pause bet every 10th group. Last call up was 20504.
9251	E03	USB 22-7-2007 2110 (SW2) Lincolnshire Poacher. msg id 10140
9251.0	E03	USB 1-7-2007 Sun 1830 (AS)
9251.0	E03	USB 3-7-2007 Tue 2000 (GS) In Progress//ARC190//KFOK
9251.0	E03	USB 3-7-2007 Tue 2100 (GS) In Progress//ARC190//KFOK
9251.0	E03	USB 4-7-2007 Wed 1825 (AS)
9251.0	E03	LSB 10-7-2007 Tue 0020 (LP) First report for a long time!
9251.0	E03	USB 10-7-2007 Tue 2135 (AS)
9251.0	E03	USB 11-7-2007 Wed 2240 (AS)
9251.0	E03	USB 12-7-2007 Thu 2200 (RCh) Internet radio. My first catch.
9251.0	E03	USB 15-7-2007 Sun 2120 (AS)
9252.0	XPA	AM 20-7-2007 Fri 2020 (HFD) msg
9255.0	S06	AM 26-7-2007 Thu 1230 (HFD) 314-###/5=63842
9264	M12	CW 2-7-2007 Mon 1920 (FN) 124 1 2137 44
9264	M12	CW 23-7-2007 Mon 1920 (FN) 124 1 6411 67
9270	E06	AM 15-7-2007 1830 (MUK) 690 00000
9270	E06	AM 29-7-2007 1830 (MUK) 690 000
9270.0	E06	AM 1-7-2007 Sun 1830 (HFD) 690/0
9323.0	M08a	CW 3-7-2007 Tue 1000 (MS) ID 53111 54028 42216 (New format.)
9448	E11	AM 3-7-2007 Tue 1230 (FN) 312/00

9450.0	E25	AM 9-7-2007 Mon 1145 (AS) weak but readable
9450.0	E25	AM 11-7-2007 Wed 1146 (AS) this time with strong sigs
9576	E11	AM 18-7-2007 0915 (MUK) 284/00
9576	E11	AM 19-7-2007 0915 (MUK) 284/00
9610	E11	AM 27-7-2007 1030 (MUK) 312/00
9923.4	X06	AM 13-7-2007 1518 (PUK) Mazielka. Sequence: 463125
9928.0	E07	AM 25-7-2007 Wed 2040 (HFD) 319:1-519/42=30130
9928.0	E07	AM 30-7-2007 Mon 2040 (HFD) 319:1-519/24=30130
9934	M12	CW 24-7-2007 1340 (PP) repeat of the 13:20 schedule
10125	M24	CM 3-7-2007 Tue 1900 (FN) 015 987 164
10125.0	E11	AM 23-7-2007 Mon 1230 (HFD) 186/00
10125.0	M08a	CW 7-7-2007 Sat 0300 (MS) ID 19391 41001 37711 (New format.)
10126	E07	AM 8-7-2007 1740 (MUK) 441-1 657 86
10126	E07	AM 15-7-2007 1740 (MUK) 441-1 657 86
10175.0	S06	AM 26-7-2007 Thu 1000 (HFD) 895
10221	M03	CW 3-7-2007 Tue 1400 (FN) 364/35 == 73384 33376 ...
10221	M03	CW 6-7-2007 Fri 1400 (FN) 364/35 == 73384 33376 ...
10327.0	XPA	AM 20-7-2007 Fri 0600 (HFD) msg
10343	M12	CW 2-7-2007 Mon 1900 (FN) 124 1 2137 44
10343	M12	CW 23-7-2007 Mon 1900 (FN) 124 1 6411 67
10345	M08a	CW 24-7-2007 1112 (MPJ) Many 5LG messages like: UGGAU UGGAU UGGAU UGGAU = = WEEAG ??GWI DÖ.
10345.0	M08a	CW 3-7-2007 Tue 1100 (MS) ID ----- 54028 42216 (New format. Repeat of 1000z on 9323m. Late start, in progress
10387	M12	CW 4-7-2007 Wed 1940 (FN) 303 1 457 169

10416.0	XPA	AM 20-7-2007 Fri 2000 (HFD) msg
10426.0	E03	USB 23-7-2007 Mon 2200 (RCh)
10426.0	E03	USB 31-7-2007 Tue 1505 (SWK)
10446.0	V02a	AM 2-7-2007 Mon 0303 (MS) A 94271 87027 47140 (YL/SS. New format. Moved here from 6855m.)
10446.0	V02a	AM 9-7-2007 Mon 0300 (MS) A 90401 02668 63701 (YL/SS. New format. Repeat of 0200z on 12165m.)
10446.0	V02a	AM 16-7-2007 Mon 0300 (MS) A 97861 79161 04111 (YL/SS. Old format.)
10651	M51	CW 24-7-2007 1105 (MGJ) French Mil. NR 67 J 25 12:03:06 1984 = ZHUHJ IVTCM ... //5420 kHz
10710	M24	CW 3-7-2007 Tue 1830 (FN) 015 987 164
10815	X06	AM 17-7-2007 1910 (RiN) Mazielka. Sequence: 241563
10871.7	MX	CW 4-7-2007 1352 (AB) Cluster beacon "D"
10871.7	MX	CW 29-7-2007 1900 (MUK) 'D'
10871.8	MX	CW 4-7-2007 1352 (AB) Cluster beacon "P"
10872	MX	CW 4-7-2007 1352 (AB) Cluster beacon "C"
10872	MX	CW 29-7-2007 1859 (MUK) 'C'
10872.0	MX	CW 8-7-2007 Sun 2210 (AS) Marker "D"
10872.4	MX	CW 12-7-2007 1626 (AB) Cluster beacon "M"
11010	M12A	CW 15-5-2007 0437 (IB) 901 901 901 2 (repeated) 5FGs ends with 000 000
11072.5	M42	Crowd-36/40/1500 30-7-2007 1130 (PP) Dep of State Comms Moscow. Encrypted messages
11103.0	E07	AM 23-7-2007 Mon 2020 (HFD)
11103.0	E07	AM 25-7-2007 Wed 2020 (HFD) 319:1-519/42=30130
11103.0	E07	AM 30-7-2007 Mon 2020 (HFD) 319:1-519/24=30130
11160.0	S06	AM 31-7-2007 Tue 1730 (HFD) 327-598/61=53014
11415	M42	USB/MFSK-32/CROWD36 26-7-2007 1539 (LD0) Dep. of State Comms Moscow. Offline crypto to unloc. embassy on link 60069
11427	M12	CW 24-7-2007 1320 (PP)

		5F msg ending TTT TTT
11454	E07	AM 15-7-2007 1720 (MUK) 441-1 657 86
11454	E07	AM 29-7-2007 1720 (MUK) 441 000
11454.0	E07	AM 8-7-2007 Sun 1725 (AS) clear sigs...msg finished with 000 000..
11462	X06	AM 3-7-2007 0905 (JS3) Mazielka. Sequence: 165423
11486	E11	AM 10-7-2007 0715 (MUK) 382/00 head VVV at 0712 in cw.
11486	E11	AM 31-7-2007 0715 (MUK) 383/35
11486	E11c	AM 5-7-2007 Thu 0715 (FN) 383/32 77777 77777 52250 ...
11486.0	E11	AM 26-7-2007 Thu 0715 (HFD) 383/35=77777 77777 11411
11487	E03	USB 15-7-2007 1533 (MUK) in progress
11491	M12	CW 3-7-2007 Tue 1640 (FN) 725 1 4235 32
11525	X06	AM 17-7-2007 1910 (RiN) Mazielka. Sequence: 156234
11545.0	E03	USB 30-7-2007 Mon 1605 (SWK)
11565.0	M08a	CW 7-7-2007 Sat 0400 (MS) ID 19391 41001 37711 (New format. Repeat of 0300z on 10125m.)
12087	M12	CW 4-7-2007 Wed 1920 (FN) 303 1 457 169
12109	X06	AM 23-7-2007 Mon 0955 (FN) tone sequence 431625
12120.0	SK01	AM 6-7-2007 Fri 1800 (MS) (In traffic. Have no means to copy.)
12120.0	SK01	AM 9-7-2007 Mon 1800 (MS) (In traffic now.)
12120.0	SK01	AM 16-7-2007 Mon 1800 (MS) (Carrier up on time. Began sending traffic at 1801z.)
12125	M24	CW 24-7-2007 1900 (PP) 5F msg ending 162 162 TTTTT
12158	X06	AM 26-7-2007 1516 (LDO) Dep. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
12165.0	SK01	AM 5-7-2007 Thu 1900 (MS) (In traffic. No means to copy.)
12165.0	SK01	AM 6-7-2007 Fri 1900 (MS) (In traffic. Have no means to copy.)
12165.0	SK01	AM 9-7-2007 Mon 1900 (MS) (In traffic now.)

12165.0	V02a	AM 9-7-2007 Mon 0200 (MS) A 90401 02668 63701 (YL/SS. New format.)
12178	X06	AM 13-7-2007 1057 (PUK) Mazielka
12180.0	V02a	AM 4-7-2007 Wed 0200 (MS) A 40717 00841 07862 (YL/SS. New format.)
12180.0	V02a	AM 11-7-2007 Wed 0200 (MS) (Came in late, missed callups. YL/SS. New format.)
12189	M12	CW 3-7-2007 Tue 1620 (FN) 725 1 4235 32
12202	M03	CW 5-7-2007 Thu 0845 (FN) 503/00
12210.0	S06	AM 31-7-2007 Tue 1500 (HFD) 493/0
12213	X06	AM 27-7-2007 0737 (LDO) Dep. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
12214	M08a	CW 18-7-2007 0303 (Vambo) in progress. weak but readable
12214	M08a	CW 18-7-2007 0303 (Vambo) in progress. weak but readable
12215.0	S06	AM 26-7-2007 Thu 1010 (HFD) 895
12215.0	V02a	AM 6-7-2007 Fri 0200 (MS) A 35825 72418 74320 (YL/SS. New format.)
12224	X06	AM 12-7-2007 0712 (JS3) Mazielka. Sequence: 463125
12603.0	E03	USB 8-7-2007 Sun 1520 (AS) weak signal
13375.0	E03	USB 6-7-2007 Fri 1910 (AS)
13376.0	E07	AM 30-7-2007 Mon 2000 (HFD) 319:1-519/24=30130
13386	M12	CW 3-7-2007 Tue 1600 (FN) 725 1 4235 32
13387	M12	CW 4-7-2007 Wed 1900 (FN) 303 1 457 169
13468	E07	AM 15-7-2007 1700 (MUK) 441-1 657 86
13468	E07	AM 29-7-2007 1700 (MUK) 441 000
13526.0	MX	CW 19-7-2007 Thu 2010 (HFD) C Moscow HQ
13527.7	MX	CW 4-7-2007 1352 (AB) Cluster beacon "D"
13527.7	MX	CW 26-7-2007 1442 (SW2) Cluster beacon "D"
13527.8	MX	CW 13-7-2007 1019 (AB) Cluster beacon "P"

13528	MX	CW 13-7-2007 1019 (AB) Cluster beacon "C"
13528	MX	CW 26-7-2007 1442 (SW2) Cluster beacon "C"
13528.2	MX	CW 12-7-2007 1628 (AB) Cluster beacon "F"
13528.4	MX	CW 12-7-2007 1628 (AB) Cluster beacon "M"
13880.0	S06	AM 31-7-2007 Tue 1630 (HFD) 327-598/61=53014
13887	S06	AM 25-7-2007 1630 (PP) English callup 318 into repeated czech 5F msg ending 00000
13940	X06	AM 25-7-2007 1014 (PUK) Mazielka. Sequence: 156234
14000	E10	AM 17-6-2007 1903 (IARUMS) PCD
14000	E10	AM 28-6-2007 2000 (IARUMS) ULX2
14478.0	E03	USB 31-7-2007 Tue 1300 E3 "Lincolnsire Poacher" message. S6 - S9.
14525	V25	AM 19-5-2007 0120 (IB) YL/CC 375 - this is 138 (repeated)
14720.0	X06	AM 31-7-2007 Tue 1255 X06 "Mazielka" call. S9 +10db - very strong signal.
14765	X06	AM 3-7-2007 1113 (JS3) Mazielka. Sequence: 154632
14863	X06	AM 27-7-2007 0758 (LDO) Dep. of State Comms Moscow. Calling unlocated embassy using 6-tone alerting device
16331.8	MX	CW 4-7-2007 1512 (AB) Cluster beacon "P"
16331.9	MX	CW 4-7-2007 1352 (AB) Cluster beacon "S"
16331.9	MX	CW 13-7-2007 1019 (AB) Cluster beacon "S"
16331.9	MX	CW 28-7-2007 1155 (MPJ) Cluster Beacon "S"
16332	MX	CW 13-7-2007 1019 (AB) Cluster beacon "C"
16332.2	MX	CW 12-7-2007 1500 (AB) Cluster beacon "F"
16332.3	MX	CW 12-7-2007 1628 (AB) Cluster beacon "K"
16332.4	MX	CW 12-7-2007 1500 (AB) Cluster beacon "M"
17436	V02a	AM 27-7-2007 1701 (N2UHC) 28117 51276 34866 callup & 5FGs msgs
17436.0	V02a	AM 2-7-2007 Mon 1700 (MS)

		A 75782 67601 88561 (YL/SS. New format. Different format from 1600z on 17478m
17436.0	V02a	AM 3-7-2007 Tue 1700 (MS)
		A 51315 35520 70287 (YL/SS. New format.)
17436.0	V02a	AM 5-7-2007 Thu 1700 (MS)
		A 17884 55073 75542 (YL/SS. New format. Repeat of 1600z on 17478m.)
17436.0	V02a	AM 6-7-2007 Fri 1700 (MS)
		A 05764 07002 81376 (YL/SS. New format. Repeat of 1600z on 17478m.))
17436.0	V02a	AM 8-7-2007 Sun 1700 (MS)
		A 04234 12364 10485 (YL/SS. New format. Repeat of 1600z on 17478m.)
17436.0	V02a	AM 9-7-2007 Mon 1700 (MS)
		A 86662 02678 45335 (YL/SS. New format.)
17436.0	V02a	AM 14-7-2007 Sat 1700 (DM)
		A 16438 13117 58775
17436.0	V02a	AM 15-7-2007 Sun 1700 (MS)
		A 82665 61250 27563 (YL/SS. New format. Repeat of 1600z on 17478m.)
17436.0	V02a	AM 16-7-2007 Mon 1700 (MS)
		A 69051 57527 28478 (YL/SS. New format. Repeat of 1600z on 17478m.)
17478.0	V02a	AM 2-7-2007 Mon 1600 (MS)
		A 75782 67601 88561 (YL/SS. Old format.)
17478.0	V02a	AM 4-7-2007 Wed 1600 (MS)
		A 96951 44263 48307 (YL/SS. New format.)
17478.0	V02a	AM 5-7-2007 Thu 1600 (MS)
		A 17884 55073 75542 (YL/SS. New format.)
17478.0	V02a	AM 6-7-2007 Fri 1600 (MS)
		A 05764 07002 81376 (YL/SS. New format.)
17478.0	V02a	AM 7-7-2007 Sat 1600 (MS)
		A 07691 83273 42770 (YL/SS. New format.)
17478.0	V02a	AM 8-7-2007 Sun 1600 (MS)
		A 04234 12364 10485 (YL/SS. New format.)
17478.0	V02a	AM 8-7-2007 Sun 1625 (AS)
17478.0	V02a	AM 15-7-2007 Sun 1600 (MS)
		A 82665 61250 27563 (YL/SS. New format.)
17478.0	V02a	AM 16-7-2007 Mon 1600 (MS)
		A 69051 57527 28478 (YL/SS. New format.)
17480.0	V02a	AM 4-7-2007 Wed 1600 (KC2JXC)
		YL/SS-very strong clear signal
17735.0	V02a	AM 4-7-2007 Wed 1700 (MS)
		A 96951 44263 48307 (YL/SS. New format. Repeat of 1600z on 17478.
18321	X06	AM 23-7-2007 0907 (JS3)
		Mazielka + CROWD36 transmission at 0805 UTC
18787	E03	USB 26-7-2007 (SW2)

Lincolnshire Poacher: msg Id. 89642
19410 M42 CW 15-5-2007 0942 (IB)
plm plm plm 48234 48234 (repeated)
23461.0 E03a USB 11-7-2007 Wed 1105 (AS)
weakly

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